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OM protein - protein search, using BL model

Run on: January 7, 2003, 17:12.13 : Search time 15 seconds

(without alignments)
70,499 Million call updates/sec

Title: US-09-623-006b-5

Sequence: 1 MKRQUTPTYICR 11

Scoring table: BLAST2K2

Gap: 10.0, Gapext: 0.5

Searched: 283224 seqs, 9513422 residues

Total number of hits satisfying chosen parameters: 283224

Maximum DB seq length: 0

Maximum DB length: 200000000

Post-processing: William Meachon 04

Listing files: 45 summaries

Databases:

PIR 73+:

1: PIR73+

2: PIR73+

3: PIR73+

4: PIR73+

5: PIR73+

Result:

Query:

No.:

Score:

Match:

Length:

DB:

ID:

Description:

1: 57 100.0

2: 50 87.7

3: 50 87.7

4: 50 87.7

5: 50 87.7

6: 46 80.7

7: 46 80.7

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22: 37 64.9

23: 37 64.9

24: 36 63.2

25: 36 63.2

26: 36 63.2

27: 36 63.2

28: 35 61.4

29: 35 61.4

Prod. No. is the number of results predicted by chance to have a
score as high as the one observed. The expected number of
hits is derived by analysis of the total score distribution.

SUMMARIES

30 35 61.4 300 2 AB0351
31 35 61.4 312 2 E01725
32 35 61.4 348 2 E07009
33 35 61.4 348 2 E07009
34 35 61.4 1663 2 S84600
35 35 61.4 1747 2 AS4121
36 34 59.6 1152 2 T18466
37 34 59.6 1152 2 T18466
38 34 59.6 1172 2 T16280
39 34 59.6 1172 2 T16280
40 34 59.6 1188 2 T19888
41 34 59.6 1188 2 T19888
42 34 59.6 1188 2 T19888
43 34 59.6 1188 2 T19888
44 34 59.6 1188 2 T19888
45 34 59.6 642 2 AB0297

ALIGNMENTS

RESULT 1

APOLIPROTEIN A-IV precursor, rat

C-Date: 27-Nov-1995 sequence, revision 27-Nov-1995 file: change 22-Jun-1999

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A:Accession: A10140
A:Status: preliminary
A:Title: Aminoacyl-tRNA synthetase
A:Residues: 155 (AAs)
A:Cross-reference: GB:AL590842; PID:OACG988.1; PID:G15979210; CSPDB:GN00175
A:Comment:
C:Description:
C:Superfamily: molybdenum transport protein modC; ATP-binding cassette homology
Query Match 66 74 Score 39; RB 2; Length 359;
Best Local Similarity 60.0%; Pred. No. 14
Matches 6; Conservative 3; Mismatches 1; Gaps 0;
QY 2 KQSLPTPIOR 11
||| |||
DB 144 KREILPTLKR 173
Search completed: January 7, 2003, 17:15:08
Job time : 17 secs

RT vitamin D-binding protein (group specific component) from mouse
 RL plasma. " (J. Biol. Chem. 261:1149-1159 (1986)).
 RL -1- CHEBERGASIN FLUID, AND URINE AND ON THE SURFACE OF MANY CELL
 CC TYPES. IN PLASMA, IT CARRIES THE VITAMIN D STEROIDS AND PREVENTS
 CC POLYMERIZATION OF CHOLESTEROL AND TRIGLYCERIDES.
 CC AND WITH IGG FC RECEPTOR ON THE MEMBRANE OF T-LYMPHOCYTES.
 CC -1- SUBCELLULAR LOCATION: Secreted.
 CC -1- SIMILARITY: CONTAINS 3 ALBUMIN DOMAINS.
 CC This SMILES-PROT entry is copyright. It is produced through a collaboration
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 CC EMBL: M55413; AAB37659.1; -
 CC DR PIR: A35327; A35327.
 CC DR MD: P00002; P00002.
 CC DR InterPro: P00002; P00002.
 CC DR Pfam: PF00773; transport_prot. 2.
 CC DR SMART: SM0103; ALBUMIN_2.
 CC DR TrEMBL: P00002; ALBUMIN_2.
 CC Albin: Glycoprotein; Vitamin D; Transport; Plasma; Actin-binding;
 CC Repeat; Signal.
 CC Signal: 1
 CC 1 12 VITAMIN D-BINDING PROTEIN.
 CC FT CHAIN 13 472
 CC FT DOMAIN 1 13 472
 CC FT DOMAIN 2 13 472
 CC FT DOMAIN 3 13 472
 CC FT DOMAIN 4 13 472
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 CC FT DISULFID 92 108 BY SIMILARITY.
 CC FT DISULFID 107 138 BY SIMILARITY.
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 CC FT DISULFID 311 320 BY SIMILARITY.
 CC FT DISULFID 403 449 BY SIMILARITY.
 CC FT DISULFID 448 458 BY SIMILARITY.
 CC FT DISULFID 472 AA, 53085 MW, 8607481631866 CIRC4;
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 CC Res. Local Similarity 66.74; Pref. Local Similarity 66.74;
 CC Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
 CC QY 1 MKEQITPTOR 11
 CC DB 388 LKQDTSFIEK 398

RESULT 15
 CHNG ASPRY STANARD;
 AD P45356; CO9031; CO9032;
 DT 01-OCT-1996 (rel. 34, Created)
 DT 15-JUL-1999 (rel. 38, Last sequence update)
 DE Chitin synthase G (EC 2.4.1.16) (Chitin-UDP acetyl-1-glucosaminyl
 DE transferase G (EC 2.4.1.16) (Chitin-UDP acetyl-1-glucosaminyl
 DE transferase G) (Class-III chitin synthase G).
 OS Agaricus fumigatus (Sartorya fumigata).
 OC Baktarya; Fungi; Ascomycota; Peizomycotina; Eurotiomycetes;

CC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
 CC NBI_TextID=1085;
 CC SEQUENCE FROM N.A.
 CC STRAIN:H237;
 CC MEDLINE:9537138; PubMed:873555;
 CC ABSTRACT: The Aspergillus fumigatus chac and chg genes encode class III
 CC chitin synthases with different functions."
 CC [2] Microbiol. 20:667-675 (1990).
 CC SEQUENCE FROM N.A.
 CC STRAIN:U001;
 CC Buiua C.E.; Martchouk N.; Riggle P.J.; Winter K.R.; Koltin Y.;
 CC Submitted (Oct-1995) to the EMBL/Genbank/DBS databases
 CC as: CHITIN SYNTHASE G (EC 2.4.1.16) (Chitin-UDP acetyl-1-glucosaminyl)
 CC -1- CATALYTIC ACTIVITY: UDP-N-acetyl-D-glucosamine + [(1,4)-(N-acetyl-
 CC beta-D-glucosaminyl)](N) = UDP + [(1,4)-(N-acetyl-beta-D-
 CC glucosaminyl)](N) -1- SIMILARITY: BELONGS TO THE CHITIN SYNTHASE FAMILY. SUBFAMILY CLASS
 CC III.
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 CC EMBL: U33478; AAB07679.1; -
 CC EMBL: U33478; AAB07679.1; -
 CC InterPro: IP000434; Chitin synth.
 CC Problem: P0002598; Chitin synth. 1.
 CC Transferrase; Glycosyltransferase; Transmembrane; Cell wall;
 CC Repeat; Signal.
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 CC FT TRANSMEM 13679 13699 POTENTIAL.
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 CC FT TRANSMEM 13759 13779 POTENTIAL.
 CC FT TRANSMEM 13799 13819 POTENTIAL.
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 CC FT TRANSMEM 13879 13899 POTENTIAL.
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 CC FT TRANSMEM 13959 13979 POTENTIAL.
 CC FT TRANSMEM 13999 14019 POTENTIAL.
 CC FT TRANSMEM 14039 14059 POTENTIAL.
 CC FT TRANSMEM 14079 14099 POTENTIAL.
 CC FT TRANSMEM 14119 14139 POTENTIAL.
 CC FT TRANSMEM 14159 14179 POTENTIAL.
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 CC FT TRANSMEM 14239 14259 POTENTIAL.
 CC FT TRANSMEM 14279 14299 POTENTIAL.
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 CC FT TRANSMEM 14359 14379 POTENTIAL.
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 CC FT TRANSMEM 14479 14499 POTENTIAL.
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 CC FT TRANSMEM 14559 14579 POTENTIAL.
 CC FT TRANSMEM 14599 14619 POTENTIAL.
 CC FT TRANSMEM 14639 14659 POTENTIAL.
 CC FT TRANSMEM 14679 14699 POTENTIAL.
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 CC FT TRANSMEM 14799 14819 POTENTIAL.
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 CC FT TRANSMEM 14879 14899 POTENTIAL.
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 CC FT TRANSMEM 15439 15459 POTENTIAL.
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 CC FT TRANSMEM 15559 15579 POTENTIAL.
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 CC FT TRANSMEM 16239 16259 POTENTIAL.
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 CC FT TRANSMEM 16319 16339 POTENTIAL.
 CC FT TRANSMEM 16359 16379 POTENTIAL.
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 CC FT TRANSMEM 17599 17619 POTENTIAL.
 CC FT TRANSMEM 17639 17659 POTENTIAL.
 CC FT TRANSMEM 17679 17699 POTENTIAL.
 CC FT TRANSMEM 17719 17739 POTENTIAL.
 CC FT TRANSMEM 17759 17779 POTENTIAL.
 CC FT TRANSMEM 17799 17819 POTENTIAL.
 CC FT TRANSMEM 17839 17859 POTENTIAL.
 CC FT TRANSMEM 17879 17899 POTENTIAL.
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 CC FT TRANSMEM 17959 17979 POTENTIAL.
 CC FT TRANSMEM 17999 18019 POTENTIAL.
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 CC FT TRANSMEM 18079 18099 POTENTIAL.
 CC FT TRANSMEM 18119 18139 POTENTIAL.
 CC FT TRANSMEM 18159 18179 POTENTIAL.
 CC FT TRANSMEM 18199 18219 POTENTIAL.
 CC FT TRANSMEM 18239 18259 POTENTIAL.
 CC FT TRANSMEM 18279 18299 POTENTIAL.
 CC FT TRANSMEM 1831

; CURRENT APPLICATION NUMBER: US/09/800,729
 ; PRIOR FILING DATE: 2001-03-08
 ; PRIOR APPLICATION NUMBER: US/09/800,726
 ; PRIOR FILING DATE: 2001-03-08
 ; PRIOR APPLICATION NUMBER: 60/155,709
 ; PRIOR FILING DATE: 1999-09-24
 ; INVENTOR: GRØNHEIM, Jonas
 ; SOFTWARE: Patent-in Ver. 2.0
 ; SEQ ID NO 208
 ; LENGTH: 391
 ; ORGANISM: Homo sapiens
 US-09-800-729-208

Query Match 87.7%; Score 50; DB 10; Length 391;
 Best Local Similarity 90.9%; Pred. No. 0.028;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MSEQUTPTVQR 11
 DB 153 MSEQUTPTVQR 463

RESULT 3
 ; Sequence 35; Application US/09987107
 ; Patent No. US20020156007A1
 ; TITLE OF INVENTION: AGGLIPOPORTEINS ANALOGUES
 ; GENERAL INFORMATION:
 ; APPLICANT: GRAVERSEN, Jonas
 ; APPLICANT: MØESTRUP, Søren
 ; FILE REFERENCE: GRAVERSEN, Jonas
 ; CURRENT APPLICATION NUMBER: US/09/987,107
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: US 60/264,022
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: DK PA2001 00057
 ; PRIOR FILING DATE: 2001-01-15
 ; PRIOR APPLICATION NUMBER: DK PA2000 01682
 ; PRIOR FILING DATE: 2000-11-10
 ; SOFTWARE: Patent-in version 3.1
 ; SEQ ID NO 35
 ; LENGTH: 401
 ; ORGANISM: Mus musculus
 US-09-987-107-35

Query Match 87.7%; Score 50; DB 9; Length 395;
 Best Local Similarity 90.9%; Pred. No. 0.028;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MSEQUTPTVQR 11
 DB 153 MSEQUTPTVQR 163

RESULT 4
 ; Sequence 31; Application US/09987107
 ; Patent No. US20020156007A1
 ; TITLE OF INVENTION: AGGLIPOPORTEINS ANALOGUES
 ; GENERAL INFORMATION:
 ; APPLICANT: GRAVERSEN, Jonas
 ; APPLICANT: MØESTRUP, Søren
 ; FILE REFERENCE: GRAVERSEN, Jonas
 ; CURRENT APPLICATION NUMBER: US/09/987,107
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: US 60/264,022
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: DK PA2001 00057
 ; PRIOR FILING DATE: 2001-01-15
 ; PRIOR APPLICATION NUMBER: DK PA2000 01682

; PRIOR FILING DATE: 2000-11-10
 ; NUMBER OF SEQ ID NOS: 91
 ; SOFTWARE: Patent-in version 3.1
 ; SEQ ID NO 336
 ; LENGTH: 396
 ; ORGANISM: Homo sapiens
 US-09-987-107-33

Query Match 80.7%; Score 46; DB 9; Length 396;
 Best Local Similarity 72.7%; Pred. No. 0.17;
 Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MSEQUTPTVQR 11
 DB 153 MSEQUTPTVQR 163

RESULT 5
 ; Sequence 36; Application US/09987107
 ; Patent No. US20020156007A1
 ; TITLE OF INVENTION: AGGLIPOPORTEINS ANALOGUES
 ; GENERAL INFORMATION:
 ; APPLICANT: MØESTRUP, Søren
 ; APPLICANT: GRAVERSEN, Jonas
 ; FILE REFERENCE: GRAVERSEN, Jonas
 ; CURRENT APPLICATION NUMBER: US/09/987,107
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: US 60/264,022
 ; PRIOR FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: DK PA2001 00057
 ; PRIOR FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: DK PA2000 01682
 ; PRIOR FILING DATE: 2000-11-10
 ; SOFTWARE: Patent-in version 3.1
 ; SEQ ID NO 36
 ; LENGTH: 401
 ; ORGANISM: Papio anubis
 US-09-987-107-36

Query Match 80.7%; Score 46; DB 9; Length 401;
 Best Local Similarity 72.7%; Pred. No. 0.17;
 Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MSEQUTPTVQR 11
 DB 137 MSEQUTPTVQR 147

RESULT 6
 ; Sequence 34; Application US/09987107
 ; Patent No. US20020156007A1
 ; TITLE OF INVENTION: AGGLIPOPORTEINS ANALOGUES
 ; GENERAL INFORMATION:
 ; APPLICANT: MØESTRUP, Søren
 ; APPLICANT: GRAVERSEN, Jonas
 ; FILE REFERENCE: GRAVERSEN, Jonas
 ; CURRENT APPLICATION NUMBER: US/09/987,107
 ; PRIOR FILING DATE: 2001-01-13
 ; PRIOR APPLICATION NUMBER: US 60/264,022
 ; PRIOR FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: DK PA2001 00057
 ; PRIOR FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: DK PA2000 01682
 ; PRIOR FILING DATE: 2000-11-10
 ; SOFTWARE: Patent-in version 3.1
 ; SEQ ID NO 34
 ; LENGTH: 429

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/ TYPE: PROT
/ ORGANISM: Macaca fascicularis
US-09-387-107-34
Query Match 81: Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Matches 81: Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 MROUPT10R 11
DB 153 LRR01UPYR 163

RESULT 7
US-09-764-984-31
/ Sequence 31, Application US/09764984
/ GENERAL INFORMATION:
/ APPLICANT: Roman et al.
/ PRIOR FILING DATE: 2001-01-11
/ PRIOR APPLICATION NUMBER: US/09764984
/ FILE REFERENCE: P703
/ CURRENT APPLICATION NUMBER: US/09764984
/ PRIOR FILING DATE: 2001-01-11
/ PRIOR APPLICATION NUMBER: US/09764984
/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: PileupVer 2.0
/ SOURCE: PileupVer 2.0
/ LENGTH: 66
/ TYPE: PROT
/ NAME/KEY: SITE
/ FEATURE:
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-984-31

Query Match
Best Local Similarity 70.0%; Score 41; DB 9; Length 66;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 2 MROUPT10R 11
DB 27 LRR01UPYR 36

RESULT 8
US-09-387-107-37
/ Sequence 37, Application US/09387107
/ GENERAL INFORMATION:
/ APPLICANT: Moser, Susan
/ PRIOR FILING DATE: 2001-11-13
/ PRIOR APPLICATION NUMBER: US/09387107
/ CURRENT FILING DATE: 2001-11-13
/ PRIOR FILING DATE: 2001-11-13
/ PRIOR APPLICATION NUMBER: US/09387107
/ PRIOR FILING DATE: 2001-11-13
/ PRIOR APPLICATION NUMBER: US/09387107
/ NUMBER OF SEQ ID NOS: 91
/ SOFTWARE: PileupVer 3.1
/ LENGTH: 382
/ TYPE: PROT
/ NAME/KEY: Sus scrofa
/ FEATURE:
/ OTHER INFORMATION:
Query Match
Best Local Similarity 54.2%; Score 36; DB 9; Length 382;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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OY 1 MROUPT10R 11
DB 153 LRR01UPYR 163

RESULT 9
US-09-600-729-206
/ Sequence 206, Application US/09600729
/ GENERAL INFORMATION:
/ APPLICANT: Ni et al.
/ TITLE OF INVENTION: 32 human secreted proteins
/ PRIOR FILING DATE: 2001-03-08
/ PRIOR APPLICATION NUMBER: US/09600729
/ CURRENT FILING DATE: 2001-03-08
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: 60/155,709
/ PRIOR FILING DATE: 1999-09-24
/ SOFTWARE: PileupVer 2.0
/ SOURCE: PileupVer 2.0
/ LENGTH: 62
/ TYPE: PROT
/ NAME/KEY: Homo sapiens
US-09-600-729-206

Query Match
Best Local Similarity 54.5%; Score 36; DB 10; Length 382;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

OY 1 MROUPT10R 11
DB 153 LRR01UPYR 163

RESULT 10
US-09-815-442-11884
/ Sequence 11884, Application US/09815442
/ GENERAL INFORMATION:
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Onken, Karl L.
/ APPLICANT: Onken, Karl L.
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trevelick, John D.
/ APPLICANT: Yamamoto, Robert T.
/ APPLICANT: Xu, H. Howard
/ TITLE OF INVENTION: Identification of Essential Genes in
/ FILE REFERENCE: ELTRA-01A
/ CURRENT APPLICATION NUMBER: US/09815442
/ PRIOR APPLICATION NUMBER: 60/151,078
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-08-26
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-32
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-01-10
/ NUMBER OF SEQ ID NOS: 1410
/ SOFTWARE: PileupVer for Windows Version 4.0
/ LENGTH: 640

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; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-615-242-1184
Query Match 63.24; Score 36; DB 10; Length 640;
Best Local Similarity 63.24; Score 36; DB 10; Length 640;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 MGLTPTQ 11
Db 225 MGLTPTQ 214

RESULT 11
US-09-738-62600
; Publication No. US2002017605A1
; ORGANISM: Corynebacterium glutamicum
; GENERAL INFORMATION:
; APPLICANT: MARGAMET, SANGHEE
; APPLICANT: MARGAMET, HIRSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: YAMAGUCHI, YASUHIRO
; APPLICANT: YONOI, HARUHIKO
; APPLICANT: TATEISHI, NAKKO
; APPLICANT: KISHIMOTO, YASUHIRO
; APPLICANT: IZUMI, AKIHIRO
; APPLICANT: OKAZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; INVENTOR: YAMAGUCHI, YASUHIRO
; CURRENT APPLICATION NUMBER: US/09/738 626
; CURRENT FILING DATE: 2000-12-15
; PRIOR FILING DATE: 1999-12-16 JP/37404
; PRIOR FILING DATE: 1999-12-16 JP/37404
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 1999-12-16 JP 00/286988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; NUMBER OF SEQ ID NOS: 7059
; SEQ ID NO 6600
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6600
Query Match 59.48; Score 34; DB 9; Length 138;
Best Local Similarity 70.04; Pred. No. 11;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MGLTPTQ 10
Db 1 MGLTPTQ 10

RESULT 12
US-09-738-626-6636
; Sequence 5636; Application US/09/615242
; Patent No. US2002061569A1
; ORGANISM: Staphylococcus aureus
; APPLICANT: Haeblebeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Sykkind, Judith W.
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; INVENTOR: Haeblebeck, Robert T.
; CURRENT APPLICATION NUMBER: US/09/615 242
; CURRENT FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206 848
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/243 625
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269 308
; NUMBER OF SEQ ID NOS: 1410
; NUMBER OF SEQ ID NOS: 1410
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5293
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-615-242-12393
Query Match 59.64; Score 34; DB 10; Length 368;
Best Local Similarity 85.74; Pred. No. 31;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LPTVQR 11
Db 193 LPTVQR 199

RESULT 13
US-09-615-242-12393
; Sequence 12393; Application US/09/615242
; Patent No. US2002061569A1
; ORGANISM: Staphylococcus aureus
; APPLICANT: Haeblebeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Sykkind, Judith W.
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; INVENTOR: Haeblebeck, Robert T.
; CURRENT APPLICATION NUMBER: US/09/615 242
; CURRENT FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/131 078
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/206 848
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/243 625
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269 308
; NUMBER OF SEQ ID NOS: 1410
; NUMBER OF SEQ ID NOS: 1410
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5293
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-615-242-12393
Query Match 59.64; Score 34; DB 10; Length 368;
Best Local Similarity 85.74; Pred. No. 31;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LPTVQR 11
Db 193 LPTVQR 199

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; PRIOR APPLICATION NUMBER: 60/191 078
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/206 848
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-08-26
; PRIOR APPLICATION NUMBER: 60/242 578
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257 931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269 308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 1410
; NUMBER OF SEQ ID NOS: 1410
; SEQ ID NO 5636
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-615-242-5636
Query Match 59.64; Score 34; DB 10; Length 368;
Best Local Similarity 85.74; Pred. No. 31;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LPTVQR 11
Db 193 LPTVQR 199

RESULT 13
US-09-615-242-5636
; Sequence 12393; Application US/09/615242
; Patent No. US2002061569A1
; ORGANISM: Staphylococcus aureus
; APPLICANT: Haeblebeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Sykkind, Judith W.
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; INVENTOR: Haeblebeck, Robert T.
; CURRENT APPLICATION NUMBER: US/09/615 242
; CURRENT FILING DATE: 2000-03-21
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/131 078
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-10-23
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/206 848
; PRIOR FILING DATE: 2000-08-26
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/243 625
; PRIOR FILING DATE: 2000-11-27
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269 308
; NUMBER OF SEQ ID NOS: 1410
; NUMBER OF SEQ ID NOS: 1410
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5293
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-615-242-12393
Query Match 59.64; Score 34; DB 10; Length 368;
Best Local Similarity 85.74; Pred. No. 31;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LPTVQR 11
Db 193 LPTVQR 199

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Matches	6;	Conservative	1;	Mismatches	0;	Indels	0;	Gaps	0
Qy	5	LTPYQR	11						
Pb	193	LTPYER	199						

RESULT 14
 US-09-216-393-137
 Title of Invention: Topoxilammon US/09216393
 Patent No. US20010014447A1
 GENERAL INFORMATION: Michael James
 TITLE OF INVENTION: TOPOXILAMMON GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND
 METHODS OF USE THEREOF
 CURRENT APPLICATION NUMBER: US/09/216,393
 CURRENT FILING DATE: 1998-12-18
 EARLIER FILING DATE: 1997-12-15
 NUMBER OF SEQ ID NOS: 364
 SEQ ID NO 137
 LENGTH: 178
 ORGANISM: Topoxilammon gondii
 US-09-216-393-137

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Query March 11, 2004      Score 31, E# 10, Length 118,
      Best Local Similarity 63.64%
      Pctid No. 1
      Mismatch 1: Mismatch 3: Indels 0: Gaps 0:
      C# 1 PROTECTOR 11
      Db 166 L602043R 116

RESULT 15
US-09-864-761.46308
SEQUENCE 4630250.009146308/US/09864761
PRIMER 166 L602043R 116
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Penn, Sharon G.
APPLICANT: Hamed, David X.
APPLICANT: Hamed, David X.
APPLICANT: Chen, Wenbing
TITLE OF INVENTION: HUMAN GENOME DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Apmc-03-1 INVESTIGATIONAL ANALYSIS BY MICROARRAY
CURRENT FILING DATE: 2001-05-23/664,761
PRIOR FILING DATE: 2001-05-23/664,761
PRIOR FILING DATE: 2000-02-26/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-03-26/91631,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 2443, 6
PRIOR FILING DATE: 2000-10-14
PRIOR FILING DATE: 2000-09-27/623,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-10

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1 PRIOR APPLICATION NUMBER: PCT/US01/00663
2 PRIOR FILING DATE 2001-01-30 /US01/00662
3 PRIOR FILING DATE NUMBER: US 60/234,687
4 PRIOR FILING DATE 2001-01-30 /US01/00661
5 PRIOR APPLICATION NUMBER: PCT/US01/00661
6 PRIOR FILING DATE 2001-01-30 /US01/00670
7 PRIOR FILING DATE 2001-01-30 /US01/00670
8 PRIOR APPLICATION NUMBER: US 60/234,687
9 PRIOR FILING DATE 2000-09-21 09/608,408
10 PRIOR FILING DATE 2000-06-30 09/608,408
11 PRIOR FILING DATE 2000-06-30 09/774,203
12 PRIOR APPLICATION NUMBER: US 09/774,203
13 NUMBER OF SEQ. NOS. 117
14 NUMBER OF SEQ. NOS. 117
15 SOFTWARE: Amosax Sequence Listing Engine vers. 1.1
16 SEQ ID NO 46908
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18 TYPE: PART
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20 ORGANISM: Homo sapiens
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22 ORGANIZATION: MAP TO AC093224.1
23 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.85
24 OTHER INFORMATION: EST SHOWN HIT: BB35933.1, EVALU8 3.20e+00
25 OTHER INFORMATION: SWISSPROT HIT: Q0419, EVALU8 3.10e+00
26 US 05-064-761-46908
27
28 Query March 2004
29 100% Similarity
30 100% Similarity
31 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0
32
33 QY 2 INCUITIVITY 11
34 Db 13 KREUTZWEH 22
35
36 Search completed: January 7, 2003 17:19:00
37 Job time : 24 secs

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Search completed: January 7, 2003, 17:19:00
Job time : 24 secs

GenCode version 5.1.3
Copyright (c) 1995 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 7, 2003, 17:10:37, Search time 23 seconds

(without alignments)
78.15e Million cell updates/sec

Title: US-09-623-006b-5

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Gapop 10.0, Gapex 0.5

Search: 671580 seqs, 30604315 residues

Total number of hits satisfying chosen parameters: 671580

Maximum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Limiting filter: 45 Summary:6

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RX MEDLINE=2160850; PubMed=11743193;
 RA Mood B.W., Sekula J.C., Kaul R., Monks D.E., Kitajima J.P., Moo L.,
 RA Chen C., Chiu C., Chen C., Chen C., Chen C., Chen C.,
 RA Chapman P., Clendinning J., Deatherage G., Gillet M., Grant C.,
 RA Karyavin S., Berry R., Steinhilber J., W., Ramasco P., Gordon D.,
 RA Zhang S., Yoo H., Tao Y., Biddle P., Jung M., Krespan M., Perry M.,
 RA Gordon-Kam B., Liao L., Xia S., Hendrick C., Zhao Z.-X., Dolan M.,
 RA Nester E.V., Inger S.V., Tomo J.-F., Gordon M.F., Olsen M.F.,
 RA "The genome of the natural genetic engineer Agrobacterium tumefaciens
 RT S8486 294-2317-2323(2001).
 RT [2]
 RP SEQUENCE FROM N.A. PubMed=11743194;
 RP RA Gurdillo B., Hinkle G., Gattung S., Miller N., Blanchard M.,
 RA Quorrio B., Goldman B.S., Cao Y., Akkenazi M., Halling C., Mullin B.,
 RA Kwan C., Allinger M., Boushey D., Scott C., Lappas C., Markel B.,
 RA Planagan C., Crowell C., Goulsen V., Lomo C., Bear C., Strub G.,
 RA "Genetic evidence of the plant pathogen and biotechnology agent
 RT Agrobacterium tumefaciens C58".
 RL Science 294-2323-2328(2001).
 RL PubMed=11743194; PubMed=11743194;
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 DR ENBL; AB003446; AAK30049.1; -;
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 DB 122 QUTPIER 129
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 DT 01-NOV-1999 (TREMLER1.0; Last sequence update)
 DE Hypothetical protein CPO285.
 GN CPO285 OR CPO285 OR CP0473.
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 RC STRAIN=CHL029;
 RX MEDLINE=99206066; PubMed=1092388;
 RA Olinger L., Grimwood J., Davis R.W., Stephens A.S., Hymn R.W.,
 RT "Comparative genomes of Chlamydia pneumoniae and C. trachomatis".;
 RN J. Genet. 21:387-395(1999).
 RP SEQUENCE FROM N.A.
 RC STRAIN=9315;
 RC STRAIN=9315055; PubMed=10684935;
 RA Read T.D., Brunham R.C., Shen C., Gill S.R., Heideberg J.P.,
 RA White O., Hickey E.K., Peterson J., Ueberback T., Berry M., Baag S.,
 RA Gwin M., Nelson M., Deboy R., Kolman J., McClary G., Shalberg S.L.,
 RA Eisen J., Fraser C.M.,
 RT Genomes of Chlamydia trachomatis MOPN and Chlamydia
 RL Nucleic Acids Res. 28:1397-1406(2000).
 RN [3]

RP SEQUENCE FROM N.A.
 RC STRAIN=J336;
 RA Shirai M., Hirakawa H., Kimoto M., Tabuchi M., Kishi F., Ouchi K.,
 RA Siba T., Ishii K., Hatori M., Kuhsa S., Nakazawa T.,
 RT "Comparative analysis of the sequences of Chlamydia pneumoniae J138
 RT from Japan and CHC29 from USA".
 RL Nucleic Acids Res. 28-2311-2314(2000).
 DR ENBL; AB001513; AAK18434.1; -;
 DR ENBL; AB001513; AAK18434.1; -;
 DR ENBL; AB002546; BAK98495.1; -;
 DR TGR; CP0473; -;
 DR "Complete proteome".
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      / TITLE OF INVENTION: Variants of alternative splicing
      / CURRENT FILING DATE: 1998-08/09/724, 676A
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      / CURRENT FILING DATE: 2000-11-28
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      / CURRENT FILING DATE: 1997-08-13
      / PRIOR APPLICATION NUMBER: US 60/055, 778
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      RESULT 10
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      / GENERAL INFORMATION:
      / APPLICANT: Lynn Doucette-Stamm et al

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      / TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
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      / TITLE OF INVENTION: ENTEROCOCCUS FACALIS FOR DIAGNOSTICS AND THERAPEUTICS
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      / CURRENT FILING DATE: 2002-03-07
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      / PRIOR APPLICATION NUMBER: US 60/055, 778
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US-10-092-411A-3952
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Qy 2 QOUTPIQR 11
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; Sequence 71633, Application US/09724676
; APPLICANT: Comugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Comugen
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: Patentin version 3.2
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; APPLICANT: Comugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Comugen
; CURRENT FILING DATE: 2000-11-28
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; SOFTWARE: Patentin version 3.2
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; LENGTH: 506
; TYPE: PAT
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Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 QUTPIQR 11
Db 96 QQSPIQR 103

RESULT 15
US-09-724-676-71621
; ORGANISM: Homo sapiens
; Sequence 71621, Application US/09724676
; APPLICANT: Comugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Comugen
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: Patentin version 3.2
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; LENGTH: 506
; TYPE: PAT
; ORGANISM: Homo sapiens
US-09-724-676-71621
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Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 QUTPIQR 11
Db 96 QQSPIQR 103

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Job time : 25 sec

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RESULT 2
US-08-161-999-3
Sequence 3, Application US/08161999
Patent No. 5674133
GENERAL INFORMATION
APPLICANT: Shumaker, Nadja A.
APPLICANT: Shumaker, Nadja A.
APPLICANT: Nikolic, Mikelon J.
TITLE OF INVENTION: Introducing DNA Into Prevotella ruminicola
NUMBER OF SEQUENCES: 5
SEQUENCE CHARACTERISTICS
ADDRESSER: Kallian Brinke Olds Hofer Gilson and Hone
STREET: P.O. Box 10395
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60610
COMPUTER READABLE FORM
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb storage
COMPUTER: IBM AT MS-DOS 3.31
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA: US/08161999
APPLICATION NUMBER: US/08161999
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 07/18,535
FILING DATE: 05-JUN-1991
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 31,071
REFERENCE/DOCKET NUMBER: 3617/22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 321-4239
TELEFAX: (312) 321-4239
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS
LENGTH: 641 amino acids
TYPE: amino acid
SUBSTANCE: unknown
SUPPLY: unknown
US-08-161-999-3

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Matches 7; Conservative 1; Mismatches 0; Gaps 0;

OY 3 KQLTPIQ 11
Db 518 KQLTPIQV 526
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CORRESPONDENCE ADDRESS:
ADDRESSER: Ian C. McLeod
CITY: Okeanos
STATE: Michigan
COUNTRY: USA
ZIP: 48864
COMPUTER READABLE FORM
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb
COMPUTER: Acar
OPERATING SYSTEM: MS-DOS
CURRENT APPLICATION DATA: 5.1
APPLICATION NUMBER: US/08/820-980
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 08/194,641
APPLICATION NUMBER: 08/194,641
FILING DATE: April 19, 1995

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RESULT 3
US-08-641B-2
Sequence 2, Application US/0842461B
Patent No. 5844529
GENERAL INFORMATION
APPLICANT: Sylvain Moineau, Shirley A.
APPLICANT: Walker, Ebenezer R. Vedamuthu,
TITLE OF INVENTION: Isolated DNA Encoding
TITLE OF INVENTION: Enzyme For Phage
TITLE OF INVENTION: Resistance
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSER: Ian C. McLeod
CITY: Okeanos
STATE: Michigan
COUNTRY: USA
ZIP: 48864
COMPUTER READABLE FORM
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb
COMPUTER: Acar
OPERATING SYSTEM: MS-DOS
CURRENT APPLICATION DATA: 5.1
APPLICATION NUMBER: US/08/820-980
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 08/194,641
APPLICATION NUMBER: 08/194,641
FILING DATE: April 19, 1995

Query Match 63.28, Score 36; DB 2; Length 384;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Gaps 0;

OY 2 KQLTPIQ 10
Db 21 KQLTPIQ 29
|||||
CORRESPONDENCE ADDRESS:
ADDRESSER: Ian C. McLeod
CITY: Okeanos
STATE: Michigan
COUNTRY: USA
ZIP: 48864
COMPUTER READABLE FORM
MEDIUM TYPE: Diskette, 5.25 inch, 360 Kb
COMPUTER: Acar
OPERATING SYSTEM: MS-DOS
CURRENT APPLICATION DATA: 5.1
APPLICATION NUMBER: US/08/820-980
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 08/194,641
APPLICATION NUMBER: 08/194,641
FILING DATE: April 19, 1995

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CLASSIFICATION: 425
ANALYSIS: 100%
NAME: 189 C. MURPHY
REGISTRATION NUMBER: 20,931
DATE OF REGISTRATION: 1-1-67
TELEPHONE: (517) 341-4100
FAX: (517) 341-4103
INFORMATION FOR SEO ID NO.: 21
SOURCE CHARACTERISTICS:
TYPE: Amino Acid
STRANDNESS: Single
MOLECULE TYPE: Peptide

US-08-520-980-2

[illegible][illegible]

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1 SOFTWARE: FASTSEQ for Windows Version 2.0
2 CURRENT APPLICATION DATA: 08/928.692
3 APPLICATION NUMBER: US/09/339,972
4 CLASSIFICATION: 435
5 ATTORNEY/AGENT INFORMATION:
6 NAME: Hansbirt, Elise J.
7 REGISTRATION NUMBER: 33,728
8 REFERENCE/DOCKET NUMBER: 4,944,200-US
9 TELECOMMUNICATION INFORMATION:
10 TELEPHONE: 212-867-0123
11 TELEFAX: 212-878-9655
12 INFORMATION FOR SEQ ID NO: 59:
13 SEQUENCE CHARACTERISTICS:
14 LENGTH: 911 amino acids
15 TYPE: amino acid
16 TOPOLOGY: linear
17 MOLECULE TYPE: linear
18 MIMATCHES 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
19
20 Query Match
21 Best Local Similarity 63.24; Score 36; DB 2; Length 911;
22 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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QY 1 MIMATCH: 9

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DB 811 VREALTPV 819

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RESULT 8

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1 Sequence 59: Application US/09339972
2 Patent No. 5958727
3 GENERAL INFORMATION:
4 APPLICANT: Brody, Howard
5 APPLICANT: Brody, Howard S.
6 APPLICANT: Lamas, Michael
7 APPLICANT: Hansen, Kim
8 TITLE OF INVENTION: Methods for Modifying the Production of
9 POLYPEPTIDES
10 NUMBER OF SEQUENCES: 80
11 CORRESPONDENCE ADDRESS: 405 Lexington Avenue
12 STREET: 405 Lexington Avenue
13 CITY: New York
14 STATE: NY
15 COUNTRY: USA
16 ZIP: 10174
17 COMPUTER READABLE FORM:
18 MIMATCHES 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
19
20 Query Match
21 Best Local Similarity 66.74; Pred. No. 44;
22 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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```

QY 1 MIMATCH: 9

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DB 811 VREALTPV 819

```

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1 TOPOLOGY: linear
2 MOLECULE TYPE: linear
3 US-09-339-972-59
4 Query Match
5 Best Local Similarity 63.24; Score 36; DB 4; Length 911;
6 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
7
8 QY 1 MIMATCH: 9
9
10 DB 811 VREALTPV 819
11
12 RESULT 9
13 US-08-928-692-58
14 Sequence 59: Application US/08928692
15 Patent No. 5958727
16 GENERAL INFORMATION:
17 APPLICANT: Brody, Howard
18 APPLICANT: Brody, Deborah S.
19 APPLICANT: Lamas, Michael
20 APPLICANT: Hansen, Kim
21 TITLE OF INVENTION: Methods for Modifying the Production of
22 POLYPEPTIDES
23 NUMBER OF SEQUENCES: 80
24 CORRESPONDENCE ADDRESS: 405 Lexington Avenue
25 STREET: 405 Lexington Avenue
26 CITY: New York
27 STATE: NY
28 COUNTRY: USA
29 ZIP: 10174
30 COMPUTER READABLE FORM:
31 MIMATCHES 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
32
33 Query Match
34 Best Local Similarity 66.74; Pred. No. 44;
35 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

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QY 1 MIMATCH: 9

```

```

DB 816 VREALTPV 824

```

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RESULT 10

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1 US-09-339-972-58
2 Application US/09339972
3 Sequence 58: Application US/09339972
4 Patent No. 5958727
5 GENERAL INFORMATION:
6 APPLICANT: Brody, Howard
7 APPLICANT: Lamas, Michael
8 APPLICANT: Hansen, Kim
9 TITLE OF INVENTION: Methods for Modifying the Production of
10 POLYPEPTIDES
11 NUMBER OF SEQUENCES: 80
12 CORRESPONDENCE ADDRESS: 405 Lexington Avenue
13 STREET: 405 Lexington Avenue
14 CITY: New York
15 STATE: NY
16 COUNTRY: USA
17 ZIP: 10174
18 COMPUTER READABLE FORM:
19 MIMATCHES 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
20
21 Query Match
22 Best Local Similarity 66.74; Pred. No. 44;
23 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 1 MIMATCH: 9

```

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DB 816 VREALTPV 824

```

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APPLICANT: Lamae, Michael
APPLICANT: Hansen, Kim
TITLE OF INVENTION: Methods for modifying the production of
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS: 632002dsk of No. 632002th America, Inc.
STREET: 405 Lexington Avenue
CITY: New York
COUNTRY: USA
ZIP: 10174
COMPUTER READABLE FORM:
OPERATING SYSTEM: IBM compatible
COMPUTER: IBM compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/339,972
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/948,692
ATTORNEY/AGENT INFORMATION:
NAME: Lamblis, Elias J
REFERENCE/DOCKET NUMBER: 4944,200-US
TELEPHONE: 212-878-9653
TELEFAX: 212-878-9653
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
TYPE: amino acid
STRANDNESS: single
MOLCULE TYPE: No. 632002e
US-09-339-972-58

Query Match 63.2% Score 36/ DB 4/ Length 3165,
Best Local Similarity 66.7% Prod. No. 40/
Matches 6/ Conservative 2/ Mismatches 1/ Indels 0/ Gaps 0/
QY 1 WMDLTPV 9
DB 815 WMDLTPV 924

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```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,692
FILING DATE: 12-SEPT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Lamblis, Elias J
REGISTRATION NUMBER: 33,728
TELEPHONE: 212-867-0123
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
TYPE: amino acid
STRANDNESS: single
MOLCULE TYPE: No. 5959770
US-08-328-692-28

Query Match 59.6% Score 34/ DB 2/ Length 366:
Best Local Similarity 66.7% Prod. No. 40/
Matches 6/ Conservative 1/ Mismatches 0/ Indels 0/ Gaps 0/
QY 5 LTPVIR 11
DB 202 LTPVIR 108

RESULT 12 972-28
Sequence 28: Application US/09339972
Patent No. 632002
COMPUTER READABLE FORM:
OPERATING SYSTEM: IBM compatible
COMPUTER: IBM compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/09/339,972
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
TITLE OF INVENTION: Methods for Modifying the Production of
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
STREET: 405 Lexington Avenue
CITY: New York
COUNTRY: USA
ZIP: 10174
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: IBM compatible
COMPUTER: IBM compatible
SOFTWARE: FASTSD for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/09/339,972
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
TITLE OF INVENTION: Methods for Modifying the Production of
NUMBER OF SEQUENCES: 33,728
REGISTRATION NUMBER: 33,728
TELEPHONE: 212-867-0123
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
TYPE: amino acid
STRANDNESS: single
MOLCULE TYPE: No. 5959770
US-08-328-692-28

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; MOLECULE TYPE: No. 6313002a
US-09-339-072-28
Query Match
Best Local Similarity 59.6%; Score 34; DB 4; Length 366;
Prior Application Number: US 60/664,964
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 LUTPVTOR 11
|||||
Db 202 LUTPVTOR 208
|||||

RESULT 13
Sequence 2, Application US/0863424B
Patent No. 6834419
GENERIC INFORMATION:
APPLICANT: McFADDEN, GRANT
APPLICANT: LUCAS, ALEXANDRA
TITLE OF INVENTION: BINDING PROTEIN AND METHODS OF
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/M-DOS
CURRENT APPLICATION DATA: Release #1.0, Version #1.25
APPLICATION NUMBER: US/08/634,924B
CLASSIFICATION: 514
PRIOR APPLICATION DATA: 08/624,850
FILING DATE: 18-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hallie, Ph.D., Lisa A.,
REFERENCE/DOCKET NUMBER: PD-3675
TELECOMMUNICATION INFORMATION:
TELEFAX: (619) 453-5110
INFORMATION FOR SEQ ID NO. 2:
SEQUENCE CHARACTERISTICS:
TYPE: amino acid
TOPOLOGY: linear
US-08-634-924B-2
Query Match
Best Local Similarity 62.5%; Score 32; DB 2; Length 263;
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 VEGATPTV 9
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Db 207 KEVSPVT 214
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RESULT 14
Sequence 352, Application US/09134001C
Patent No. 6380370
GENERIC INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

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; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; APPLICANT: Lynn Doucette-Stamm et al
; PRIOR APPLICATION NUMBER: US 60/664,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR PUBLICATION NUMBER: US 60/055,779
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 352
; TYPE: RNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-352
Query Match
Best Local Similarity 60.0%; Score 32; DB 4; Length 391;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 2 KQWTFYOR 11
|||||
Db 141 KQWTFYOR 150
|||||

RESULT 15
US-09-134-001C-364
; Sequence 346, Application US/09134001C
; Patent No. 6186031
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/664,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR PUBLICATION NUMBER: US 60/055,779
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 364
; TYPE: RNA
; LENGTH: 2404
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-364
Query Match
Best Local Similarity 65.1%; Score 32; DB 4; Length 2404;
Matches 3; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 4 QUTYVIOO 161
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Db 154 QUTYVIOO 161
|||||

Search completed: January 7, 2003, 17:15:10
Job time: 18 secs

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PD 3/31/98 - PC1
OK - 3/26/99/h/v

Est 3 + W0 Est

Copyright (c) 1993 - 2003 CompuGen Ltd.

GenScore version 5.1.3

OW protein - protein search, using sw model

Run on: January 7, 2003, 16:45:28 ; Search time 35 seconds

(without alignments)

41.779 Million cell updates/sec

Title: US-09-623-006b-5

Sequence: 1 M9QGTPTPR 11

Scoring scale: BIOSIM2

Gap 10.0, Gapex 0.5

Search: 908470 seqs, 1332650 residues

Found: 908470 seqs, 1332650 residues

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match: 0%

Filtering filter: 45 humanites

Databases:

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2. /SI022/ggqdcv/geneeq/geneeq-emb/AA1981.DMT*
3. /SI022/ggqdcv/geneeq/geneeq-emb/AA1982.DMT*
4. /SI022/ggqdcv/geneeq/geneeq-emb/AA1983.DMT*
5. /SI022/ggqdcv/geneeq/geneeq-emb/AA1984.DMT*
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21. /SI022/ggqdcv/geneeq/geneeq-emb/AA2000.DMT*
22. /SI022/ggqdcv/geneeq/geneeq-emb/AA2001.DMT*
23. /SI022/ggqdcv/geneeq/geneeq-emb/AA2002.DMT*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SWMASIS

Rank	No.	Score	Match length	DB ID	Description
1	50	80.7	337	14	AA819484
2	50	80.7	337	14	AA819487
3	46	80.7	342	14	AA819489
4	46	80.7	342	14	AA819492
5	46	80.7	342	14	AA819495
6	46	80.7	342	14	AA819498
7	46	80.7	342	14	AA819501
8	46	80.7	342	14	AA819504
9	46	80.7	342	14	AA819507
10	46	80.7	342	14	AA819510
11	46	80.7	342	14	AA819513
12	46	80.7	342	14	AA819516
13	46	80.7	342	14	AA819519
14	46	80.7	342	14	AA819522
15	46	80.7	342	14	AA819525
16	46	80.7	342	14	AA819528
17	46	80.7	342	14	AA819531
18	46	80.7	342	14	AA819534
19	46	80.7	342	14	AA819537
20	46	80.7	342	14	AA819540
21	46	80.7	342	14	AA819543
22	46	80.7	342	14	AA819546
23	46	80.7	342	14	AA819549
24	46	80.7	342	14	AA819552
25	46	80.7	342	14	AA819555
26	46	80.7	342	14	AA819558
27	46	80.7	342	14	AA819561
28	46	80.7	342	14	AA819564
29	46	80.7	342	14	AA819567
30	46	80.7	342	14	AA819570
31	46	80.7	342	14	AA819573
32	46	80.7	342	14	AA819576
33	46	80.7	342	14	AA819579
34	46	80.7	342	14	AA819582
35	46	80.7	342	14	AA819585
36	46	80.7	342	14	AA819588
37	46	80.7	342	14	AA819591
38	46	80.7	342	14	AA819594
39	46	80.7	342	14	AA819597
40	46	80.7	342	14	AA819600
41	46	80.7	342	14	AA819603
42	46	80.7	342	14	AA819606
43	46	80.7	342	14	AA819609
44	46	80.7	342	14	AA819612
45	46	80.7	342	14	AA819615

11	46	80.7	337	14	AA83944	Human spolioprotein
12	46	80.7	342	14	AA83947	Human spolioprotein
13	46	80.7	342	14	AA83949	Human spolioprotein
14	46	80.7	342	14	AA83941	Human spolioprotein
15	46	80.7	342	14	AA83945	Human spolioprotein
16	46	80.7	342	14	AA83946	Human spolioprotein
17	46	80.7	342	14	AA83948	Human spolioprotein
18	46	80.7	342	14	AA83949	Human spolioprotein
19	46	80.7	342	14	AA83945	Human spolioprotein
20	46	80.7	342	14	AA83946	Human spolioprotein
21	46	80.7	342	14	AA83940	Human spolioprotein
22	46	80.7	342	14	AA83949	Human spolioprotein
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24	46	80.7	342	14	AA83950	Human spolioprotein
25	46	80.7	342	14	AA83951	Human spolioprotein
26	46	80.7	342	14	AA83952	Human spolioprotein
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29	46	80.7	342	14	AA83950	Human spolioprotein
30	46	80.7	342	14	AA83950	Human spolioprotein
31	46	80.7	342	14	AA83952	Human spolioprotein
32	46	80.7	342	14	AA83953	Human spolioprotein
33	46	80.7	342	14	AA83954	Human spolioprotein
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37	46	80.7	342	14	AA83957	Human spolioprotein
38	46	80.7	342	14	AA83955	Human spolioprotein
39	46	80.7	342	14	AA83951	Human spolioprotein
40	46	80.7	342	14	AA83952	Human spolioprotein
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42	46	80.7	342	14	AA83958	Human spolioprotein
43	46	80.7	342	14	AA83958	Human spolioprotein
44	46	80.7	342	14	AA83958	Human spolioprotein
45	46	80.7	342	14	AA83950	Human spolioprotein

RESULT 1

AA842557

AA842557 standard: peptide; 11 AA.

AA842557; 20-DEC-1999 (11seq entry)

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

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Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

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Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

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Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

Cholera toxin A-1V derivative lipid oxidation suppressant peptide 55.

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Cholera toxin A-1V derivative lipid oxidation suppressant

